

CLAIM LISTING

1. (Currently amended) A method of determining concentration of non-LDL LDL cholesterol in a whole blood sample using a dry phase test strip, said method comprising:

- (a) contacting the whole blood sample with a blood separation layer of the test strip and separating the blood cells from the sample, thereby producing plasma;
- (b) contacting the said plasma passing through the blood separation layer with [[a]] one or more test layer layers and reacting the non-LDL fraction substantially faster than the LDL fraction to produce [[a]] color in the at least one of said one or more test layer layers; substantially in proportion to the concentration of non-LDL cholesterol in the sample, and
- (c) measuring the color produced in process (b); and
- (d) determining the concentration of LDL cholesterol in said whole blood sample without using a Friedenwald calculation.

2. (Currently amended) The method of claim 1 wherein steps processes (a) – (c) are conducted at room temperature.

3. (Currently amended) The method of claim 1, wherein step (e) said measuring is initiated by an end-point algorithm.

Claims 4 – 7 (Canceled)

8. (New) The method of claim 1 wherein said dry phase test strip comprises two stacks, each having one or more vertically aligned layers; and
said contacting comprises contacting each of said stacks with said plasma;
said measuring comprises measuring the color produced in each of said stacks; and
said determining comprises subtracting the results from one of said stacks from the results of the other of said stacks.

Serial No. 10/663,555
Supplemental Amendment In Response To
Office Communication Mailed 08/29/2005
Page 2 of 5
220721v2

9. (New) The method of claim 8 wherein one of said stacks measures total cholesterol and the other of said stacks measures non-LDL cholesterol.

10. (New) The method of claim 1 wherein said contacting comprises contacting said plasma with a test layer including a surfactant that acts on non-LDLs.

11. (New) The method of claim 10 wherein said contacting comprises contacting said plasma with a test layer including emulgen B66.

Serial No. 10/663,555
Supplemental Amendment In Response To
Office Communication Mailed 08/29/2005
Page 3 of 5
220721v2